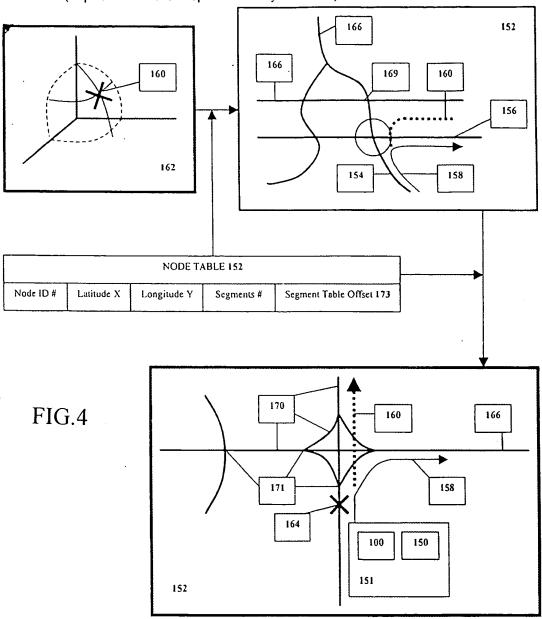
● PRINTER RUSH ● (PTO ASSISTANCE)

Application: 09	954618 E	xaminer:	Camby	GAU:	3661
From: <u>β</u>	H	Location: (I	DO FMF FDC	Date:	5/12/05
	Tı	racking #: 0	6074723	Week Date:	2/7/05
14 II C II SI D O	149 DS LM FW RFW	C DATE	MISCELL Continuing Foreign Price Document L Fees Other	Data ority	
[RUSH] MESSAGI	PEC : Attention ew drawi > 14 15, data (Fig	ns she	Drafts pers exets for and 19 In	on: Ph Frures	ease 4, 5, 7, 2mp is
	···		Than	kyou	
[XRUSH] RESPON	ISE:	Drawing	OK By) Srough	M.
				INIT	IALS:
NOTE: This form document coded a	will be included as s XRUSH.	part of the offi	cial USPTO record	, with the Resp	oonse

REV 10/04

(Representation of 3-D Space Sensed by the Device)



	SEGMENT	TABLE	
Segment ID#		Descriptor 175	
	Road Name 224	Time 228	Distance 226

FIG.5 (Block Diagram of Multiple Device in Preferred Client/Server Mode)

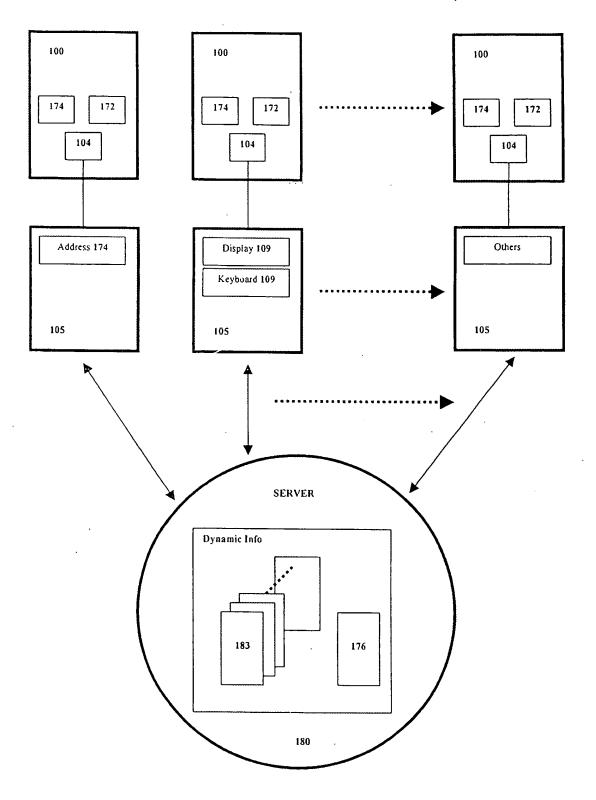


FIG.7 (Layers of Software & Associated Registers & Queues)

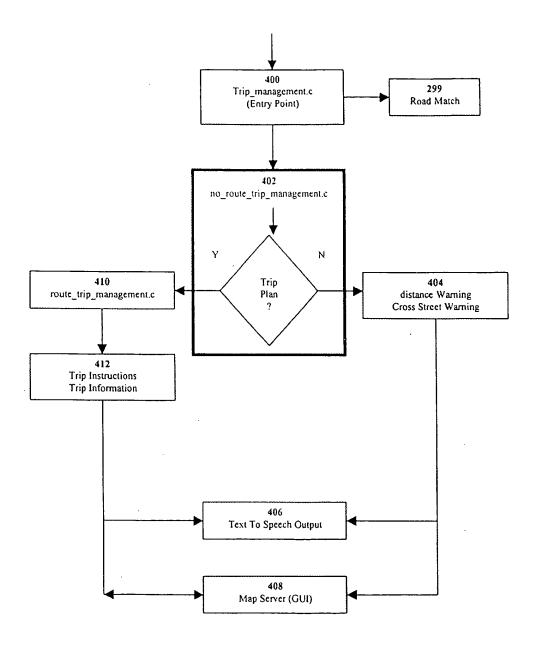
Application 90	Real Estate 80	GPS 13
Ul/Browser 212	Rental 82	Routing 13
Frip Management 200	Vacation/Moving 84	Routing Storage 13
Routing 202	Fleet 86	DIR 13
Road Match 204	90	13
Map Interface 206		
200		
ompress Map Data	Priority Queue	Map Queue
ompress Map Data 172	Priority Queue Node 171	Map Queue Element 144
ompress Map Data 172	Node	Element
ompress Map Data 172	Node 171 Node	Element 144 Element
Compress Map Data 172	Node 171 Node	Element 144 Element

FIG. 8 (Flow Chart of Map Match Process of Road Match Module)

Entering Road Match Module Map Match 300 Verify position is in map (map_read.c) 303 round_coordPoint Feature Extract 302 filter_input Initialize_map_match 308 Process GPS Input 304 Build Cosine table Reset solution Initialize map feature Process Tracking Result 316 305 Initialize map feature queue Tracking Mode Search For Solution (tracking.c) N 306 Scan Table results Search_for_acquisition 310 Acquisition mode (acquisition.c) Map_feature_queue.c 314 Get_first_primary_queue_element Get_number_in_primary_queue Get_next_primary_queue_element

Display_integer (debug.c)

FIG. 11 (Flow Chart of Processes of Trip Management Module)



 $FIG.12 \ \ (\textbf{Flow Chart of Data Flow of Routing Module})$

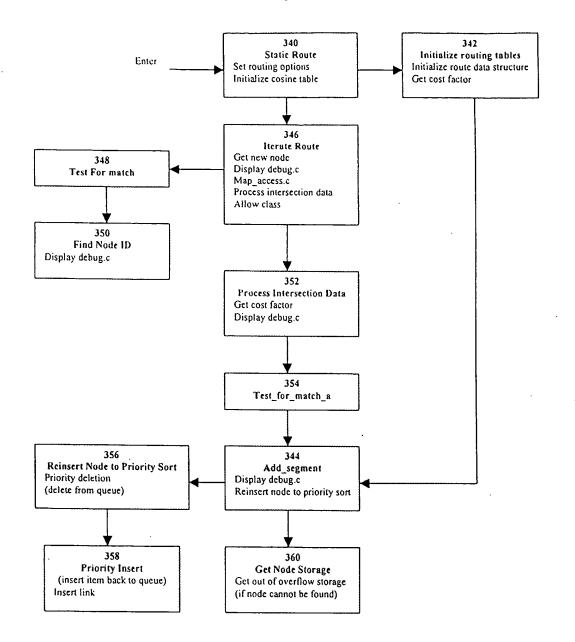


FIG. 13 (Certain Data Structures Used By The Modules of Figure 2)

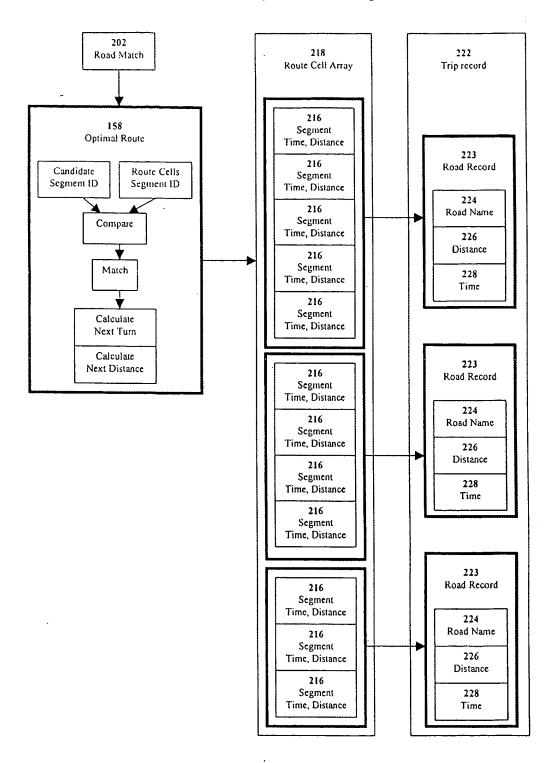


FIGURE 14 (Initial Routing Process of the Routing Module)

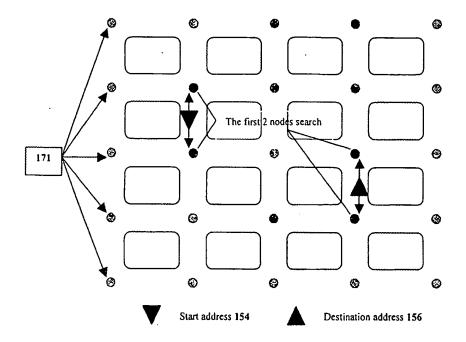
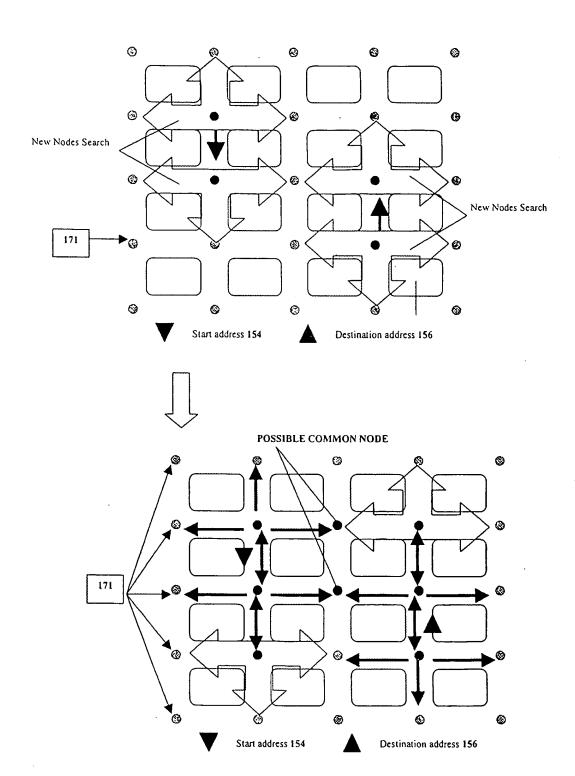


FIG. 15 (Successive Routing Process to the Initial Routing Process)



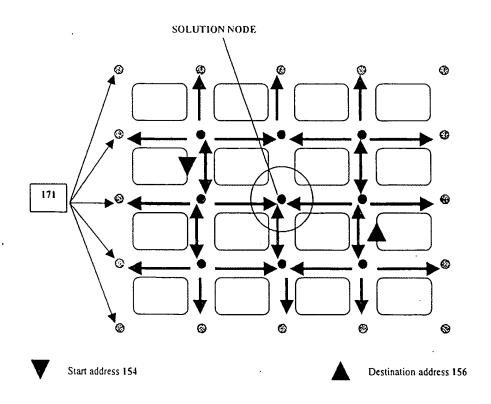


FIGURE 17 (Solution Chosen by The Routing Process)

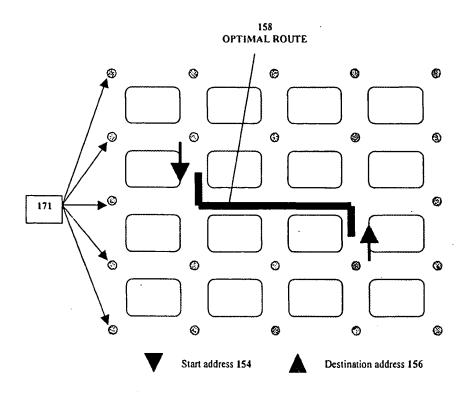


FIG. 19 (Flow Chart of Some Processes of the Trip Management Module)

